

ERIC KEARNEY

Software Engineer

CONTACT

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EXPERIENCE

RAYTHEON TECHNOLOGIES – AURORA, CO

Nov. 2021 – Present	Joint Polar Satellite System Supported after release, responsibilities included bug-fixing, code cleanup, and re-configuring various subsystems to dynamically meet customer needs.	Software Engineer
Mar. 2021 – Nov. 2021	HP Replacement of IBM Products Served as a Scrum master to the completion of a server infrastructure migration project. Responsibilities included running daily standups, flowing progress up the proper lines of communication, and quickly eliminating blockers for developers.	Scrum Master
Aug. 2019 – Mar. 2021	GPS-OCX Served as a test engineer and debugger. Processed reported issues and discrepancies into work orders. Identified high priority issues and helped determine which engineer(s) would be best suited to each task.	Software Engineer / Discrepancy Report Lead

HIGHLIGHTED PROJECTS

Jan. 2022 - May 2022	Graduate-level Machine Learning Term Project <ul style="list-style-type: none">Created a model that determines optimal bets to maximize returns based on the state of the deck using the Hi-Lo card counting strategy.Developed in a Jupyter notebook using PyTorch and a Kaggle dataset.	Reinforcement Learning
Jan. 2022 - May 2022	Graduate-level Big Data Term Project <ul style="list-style-type: none">Worked with a small team to create a model that predicts IMDB ratings, Rotten Tomatoes user and critic score, and Box Office performance of movies.Written in Python using PyTorch and deployed on Apache Spark.Manipulated data obtained from multiple sources and joined them into a single appropriate and useful data table.	Data Science
Jan. 2019 - May 2019	Undergraduate-level Digital Image Processing <ul style="list-style-type: none">Implemented face detection, edge detection/sharpening, noise/lighting correction, facial recognition, and visual saliency calculation across images.Wrote a simple model to analyze driving footage and automatically detect crashes in said footage.	Computer Vision

EDUCATION

Jan. 2022 – Dec. 2025 (expected)	Master's in Computer Science <ul style="list-style-type: none">GPA: 3.67Focus on Machine Learning and Data Science	Colorado State University
Jan. 2017 – May 2019	Bachelor's in Computer Science <ul style="list-style-type: none">GPA: 4.00Graduated Summa Cum Laude and with Highest HonorsAwarded by the department of Mathematics and Computer Science for "Exceptional accomplishments in Computer Science"	Metropolitan State University of Denver

LANGUAGES

Python (PyTorch, NumPy, Pandas, Flask, OpenCV)

Java (Gradle, JSF, JUnit)

SQL (PostgreSQL, MySQL, SQLite)

DEVELOPMENT TOOLS

Continuous Integration (Git, Jenkins)

Linux Administration (Fedora/Red Hat)

Jira, Confluence, Docker